

**REVISED**

Draft Dec 30<sup>th</sup>, 2004  
**Dead Horse Creek**  
**Statement of Work and Budget FY2004**

BPA Project Number: 1963-054-00  
Contract Number: 99978  
Performance/Budget Period: February 1<sup>st</sup>, 2004 – September 30<sup>th</sup>, 2004

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**Work Element: Landowner Coordination**

**Work Element Title:** Develop CREP Contracts with Landowners

**Deliverable:** Copies of contracts with landowners

**Deliverable Description/Specs:** Contracts will be developed in conjunction with NRCS.

**Milestones:**

Title	Start Date	End Date	Description
Copies of Contracts with landowners	2/1/04	3/1/04	

**Additional Notes:** see Produce Progress Report Below.

**Work Element: Produce BiOp Metrics Report**

**Work Element Title:** RPA 153

**Deliverable:** RPA 153 Metric Form

**Deliverable Description/Specs:** BPA's project manager will provide the format for this report as soon as the report format is finalized.

**Milestones:**

Title	Start Date	End Date	Description
BPA RPA 153 Format	2/1/2004	8/1/2004	BPA Finalizes RPA 153 Form
Draft 153 Form	8/2/04	9/1/2004	First draft of RPA 153 form due to BPA Project Manager
Final RPA 153 Form	8/2/04	9/30/04	Final draft of RPA 153 form due to BPA Project Manager

**Additional Notes:** Demonstrate that this riparian restoration program is assisting BPA to satisfy RPA 153, which requires BPA to work with agricultural incentive programs such as CREP in order to negotiate and fund long-term protection of 100 miles of riparian buffers per year.

**Work Element: Plant Vegetation**

**Work Element Title:** Plant Native Trees and Shrubs in Riparian Areas

**Deliverable:** Revegetated stream banks

**Deliverable Description/Specs:** Plant 3,500 native rooted trees and shrubs on approximately 1 mile of stream.

**Milestones:**

Title	Start Date	End Date	Description
Completion of landowner contracts	2/1/04	3/1/2004	
Purchase trees and shrubs	3/1/2004	3/15/2004	
Plant trees and shrubs	3/15/2004	7/31/2004	

**Additional Notes:** Plantings are for shade and proper floodplain function. Will primarily use a track hoe fitted with a stinger.

**Work Element: Maintain Vegetation**

**Work Element Title:** Maintain Previously Planted Trees.

**Deliverable:** Successful establishment of trees.

**Deliverable Description/Specs:** Provide for successful establishment of 3,900 previously planted trees on approximately 1 mile of stream. Area surrounding plants will be hand weeded and trees will be hand watered.

**Milestones:**

Title	Start Date	End Date	Description
Successful establishment of trees	2/1/04	9/30/04	

**Additional Notes:** Frequency of maintenance will depend on weather. See Produce Progress Report Below

**Work Element: Install Fence**

**Work Element Title:** Install fencing along Dead Horse Creek

**Deliverable:** Fencing

**Deliverable Description/Specs:** 3 miles of 5 wire exclusionary fencing along Dead Horse Creek. Complete design, layout, and installation of riparian fencing consistent with contracts developed on lands associated with the CREP/CRP programs. Fences shall be installed with a minimum setback of 35' and with a 15-year non-removal clause.

**Milestones:**

Title	Start Date	End Date	Description
Completion of landowner contracts	2/1/04	3/1/2004	
Installation of fence	3/1/04	9/30/04	

**Additional Notes:**

**Work Element: Maintain Fence**

**Work Element Title:** Maintain Previously Installed Fence.

**Deliverable:** Maintenance of fence.

**Deliverable Description/Specs:** Maintain 74,612 feet of fence. Fence damage should be repaired within 2 weeks.

**Milestones:**

Title	Start Date	End Date	Description
Maintenance of fence	2/1/04	9/30/04	

**Additional Notes:** See Produce Progress Report Below

**Work Element: Develop Alternative Water Source**

**Work Element Title:** Install Off-site Water Facility

**Deliverable:** 4 stock tanks associated with a well or spring

**Deliverable Description/Specs:** Complete design, layout, and installation of off-stream water developments consistent with the contracts developed with landowners.

Alternative water developments will take the form of frost-free stock troughs for holding water for domestic livestock. Some of them might be associated with wells or springs, depending on what is identified in the CREP Contract.

**Milestones:**

Title	Start Date	End Date	Description
Completion of landowner contracts	2/1/04	3/1/2004	
Installation of off-site water facilities	3/1/04	9/30/04	

**Additional Notes:****Work Element: Maintain Structure**

**Work Element Title:** Maintain Off-Site Water Facilities.

**Deliverable:** Maintenance of off-site water facilities.

**Deliverable Description/Specs:** Maintenance for 17 facilities.

**Milestones:**

Title	Start Date	End Date	Description
Maintenance of off-site water facilities	2/1/04	9/30/04	

**Additional Notes:****Work Element: Develop Monitoring and Evaluation Plan**

**Work Element Title:** Develop Monitoring and Evaluation Plan for Riparian Fencing Program

**Deliverable:** M and E Plan

**Deliverable Description/Specs:** A monitoring and evaluation plan will be created to address the effect of these riparian restoration projects on the biological objectives discussed in the Dead Horse Creek proposal, (e.g., stream temperature, sediment deposition, and channel structure). This will be done in coordination with BPA and NMFS.

**Milestones:**

Title	Start Date	End Date	Description
Draft Plan	2/1/2004	9/1/2004	
Final Plan	2/1/2004	9/30/2004	

**Additional Notes:****Work Element: Collect Data**

**Work Element Title:** Data and Photos for Reporting

**Deliverable:** Data and Photos for Reporting

**Deliverable Description/Specs:** Photo points and data collection sites will be established within each project site. They will collect data on water temp, canopy closure, and planting survival. Data will be collected before during and after project completion.

**Milestones:**

Title	Start Date	End Date	Description
Data Collection Schedule	2/1/2004	3/30/04	
Completion of data collection	2/1/04	9/30/04	

**Additional Notes:**

**Work Element: Produce Progress Reports**

**Work Element Title:** Quarterly Reports

**Deliverable:** 3 Quarterly Reports

**Deliverable Description/Specs:** Quarterly reports addressing significant issues regarding project implementation will be submitted to BPA Project Manager electronically.

**Milestones:**

Title	Start Date	End Date	Description
1 <sup>st</sup> Quarter Report	2/1/2004	3/31/04	
2nd Quarter Report	4/1/04	6/30/04	
3 <sup>rd</sup> Quarter Report	7/1/04	9/30/04	

**Additional Notes:**

**Work Element: Produce Annual Report**

**Work Element Title:** Annual Report

**Deliverable:** Annual Report

**Deliverable Description/Specs:** Annual report will be required consistent with the terms and conditions of this contract.

**Milestones:**

Title	Start Date	End Date	Description
Draft Annual Report	2/1/2004	7/31/04	
Final Annual Report	2/1/2004	10/30/04	

**Additional Notes:**

**Work Element: Prepare NEPA Checklist**

**Work Element Title:** Obtain NEPA Compliance

**Deliverable:** NEPA Checklist

**Deliverable Description/Specs:** Contractor will fill out the BPA NEPA checklist form with guidance from Kelly Mason in the KEC group.

**Milestones:**

Title	Start Date	End Date	Description
Copy of cultural resource from NRCS	2/1/2004	3/31/2004	
NEPA Checklist			
Official green light from KEC			

**Additional Notes:** No known threatened or endangered species are present in the riparian zones on either side of the stream. If threatened or endangered species are found during further site investigation or construction, NRCS policy will be followed. Snake River summer steelhead and resident rainbow/Redband trout are present in streams within the project areas.

# Dead Horse Creek Budget FY2004

## *MCCD Administrative Expenses*

<b>Technical Lead Salary</b>	
\$30/hour for 520 hours	\$ 15,600
Fringe (20%)	\$ 3,120
<b>Office Assistant Salary</b>	
Salaries x 426 hrs	\$ 1,040
Fringe (20%)	\$ 208
<b>Office Supplies (Day to Day)</b>	
Postage, Paper, etc	\$ 500
<b>Report Writing</b>	
Copies, binding, and mailing	\$ 1,000
<b>Vehicle Rental</b>	
\$155/month X 3 months	\$ 465
\$0.36 / mile x 465 miles	\$ 144

## *Labor and Materials*

<b>3,500 rooted trees and shrubs @ \$3.00/plant</b>	<b>\$ 10,500</b>
<b>Materials and labor for CREP fence maintenance</b>	
74,612 ft. @ \$0.05/ft	\$ 3,731
<b>Materials and Labor for pipeline from a well or spring to the trough</b>	
@ \$3/foot for 1,333 feet	\$ 4,000
<b>Materials and labor for CREP water development maintenance</b>	
17 troughs @ \$150/trough	\$ 2,550
<b>Subcontractor for riparian plantings*</b>	
Equipment for transport of plantings	
Four wheeler and trailer @ \$6.00/hour for 36 hours	\$ 216
Cub Cadet Wheel Tractor @ \$12.00/hour for ~ 46.5 hours	\$ 559
Lowboy @ \$75/hour for 8 hours	\$ 600
Track hoe w/stinger, feeder plus an operator for the	
Track hoe/operator for the feeder @ \$125.00/hour for 21 hours	\$ 2,625
Travel time for 2 operators to the project sites (one hour	
Each way) @ \$25.00/hour for 2 hours for 5 days	\$ 500
<b>Subcontractor for weed and Non-native species control (hand watering and weeding)*</b>	
Equipment and Labor	\$ 3,000
<b>CREP Tree Watering Equipment and Labor</b>	
3,900 trees @ \$1/tree	\$ 3,900
<b>Subcontractor for installation of fencing*</b>	
Materials and Labor for 5-wire exclusionary fence	
@ \$3.00/foot for 2,700 feet	\$ 8,100
<b>Subcontractor for alternative water developments*</b>	
Frost-free Stock Troughs @ \$1,975/trough for 4 troughs	\$ 7,900
<b>Grand Total</b>	<b>\$ 70,258</b>

## Work Element Breakout

<b>Landowner Coordination</b>	\$ 2,243
<b>Produce BiOp Metrics Report</b>	\$ 2,394
<b>Plant Vegetation</b>	\$ 15,000
<b>Maintain Vegetation</b>	\$ 6,900
<b>Install Fence</b>	\$ 8,100
<b>Maintain Fence</b>	\$ 3,731
<b>Develop Alternative Water Source</b>	\$ 11,900
<b>Maintain Structure</b>	\$ 2,550
<b>Develop Monitoring and Evaluation Plan</b>	\$ 4,166
<b>Collect Data</b>	\$ 4,224
<b>Produce Progress Reports</b>	\$ 2,842
<b>Produce Annual Report</b>	\$ 4,165
<b>Prepare NEPA Checklist</b>	\$ 2,043